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Please find below and/or attached an Office communication concerning this application or proceeding.

## Application No. Og/861,666 GIAO ET AL.				- De					
Period for Reply As HORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. THE MAILING DATE OF THIS COMMUNICATION. If the period for reply specified above, he making date of this communication. If the period for reply specified above, he making mailed the period for reply specified above, he making mailed the period for reply specified above, he making mailed the period for reply specified above, he making mailed the period of reply specified above, he making mailed to period the period of reply specified above, he making mailed period will apply add will appl		Application No.	Applicant(s)						
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THE MAILING DATE OF THIS COMMUNICATION. Estratosis of time may be variables under the provisions of 37 CFR 1.13(a). In no event, however, may a reply be timely filed after Six (8) MONTH'S from the mailing date of this communication. If the period of reply specified above is less than thinly (30) days, a reply within the statutory minimum of thinly (30) days, a reply within the statutory minimum of thinly (30) days, a reply within the statutory minimum of thinly (30) days, a reply within the statutory minimum of thinly (30) days, a reply within the statutory minimum of thinly (30) days, a reply within the statutory minimum of thinly (30) days, a reply within the statutory minimum of thinly (30) days, a reply within the statutory minimum of thinly (30) days with a considered timely. If the period by the office state than there enomins after the mailing date of this communication. Even if timely filed, may reduce any search a part of the second and statute, cause the application to become ABANDONED (33 U.S.C. § 133). Any reply received by the Office state than there enomins after the mailing date of this communication. Any reply received by the Office state than there enomins after the mailing date of this communication. This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-5.7-18 and 20-27 is/are pending in the application. 4a) Of the above claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are objected to. 8) Claim(s) j-5.7-18. 20-27 are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The proposed drawing orrection filed on is/are: a) accepted or b) objected to by the Examiner. If approved, corrected drawings are required in reply to th									
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a) The translation of the foreign language provisional application has been received.	14) Acknowledgment is made of a claim for domes	tic priority under 35 U.S.C.	§ 119(e) (to a provisional	application).					
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.									
Attachment(s)									
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of							

Application/Control Number: 09/661,666

Art Unit: 2813

DETAILED ACTION

Election/Restrictions

- 1. This application contains claims directed to the following patentably distinct species of the claimed invention:
 - a. Species A, claims 1-5 and 7-16, drawn to method for forming a semiconductor device comprising etching a first portion of a dielectric layer formed on a semiconductor topography with a first etch chemistry wherein the first etch chemistry substantially free of hydrogen and comprises C₄F_{8;} and etching a second portion of the dielectric layer with a second etch chemistry from the first etch chemistry wherein the first and second etch chemistry are selective to silicon nitride.
 - b. Species B, claims 17-18, 20 and 22-26, drawn to a method for forming a contact hole comprising depositing a dielectric layer upon first and second laterally spaced gate structure on a semiconductor layer comprising isolation regions wherein the first dielectric layer comprises doped silicon oxide having a phosphorous concentration of less than 6 wt. %; etching a first portion of the dielectric layer with a first etch chemistry wherein the first etch chemistry is substantially free of hydrogen; and etching a second portion of the dielectric layer with a second etch chemistry wherein a thickness of the second portion of the dielectric layer is greater than approximately one half of a height of the first and second gate structures.

c. Species C, claims 21 and 27, a method for forming a self-aligned contact hole comprising etching a first portion of a substantially continuous dielectric layer adjacent to a gate structure with a first etch chemistry substantially free of hydrogen sufficiently to expose a sidewall spacer of said gate structure wherein the dielectric layer comprises doped silicon oxide having a boron concentration of less than approximately 5 wt %; and etching a second portion of the substantially continuous dielectric layer with a second etch chemistry comprising hydrofluorcarbon etchant sufficiently to expose a substrate under said substantially continuous dielectric layer.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

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Application/Control Number: 09/661,666

Art Unit: 2813

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

- 2. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanhha Pham whose telephone number is (703) 308-6172. The examiner can normally be reached on Monday-Thursday 8:00 AM 7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead Jr., can be reached on (703) 308-4940. The fax phone numbers for the organization where this application or proceeding is assigned are (703)

Application/Control Number: 09/661,666

Art Unit: 2813

308-3432 for regular communications and (703) 308-7725 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Thanhha Pham April 14, 2003

CARL WHITEHEAD, JR.

SUPERVISORY PATENT(EXAMINE)
TECHNOLOGY CENTER 2800